



Collections and Tools for Low Vision

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Church Library Association of Ontario

Spring Conference May 1 2010

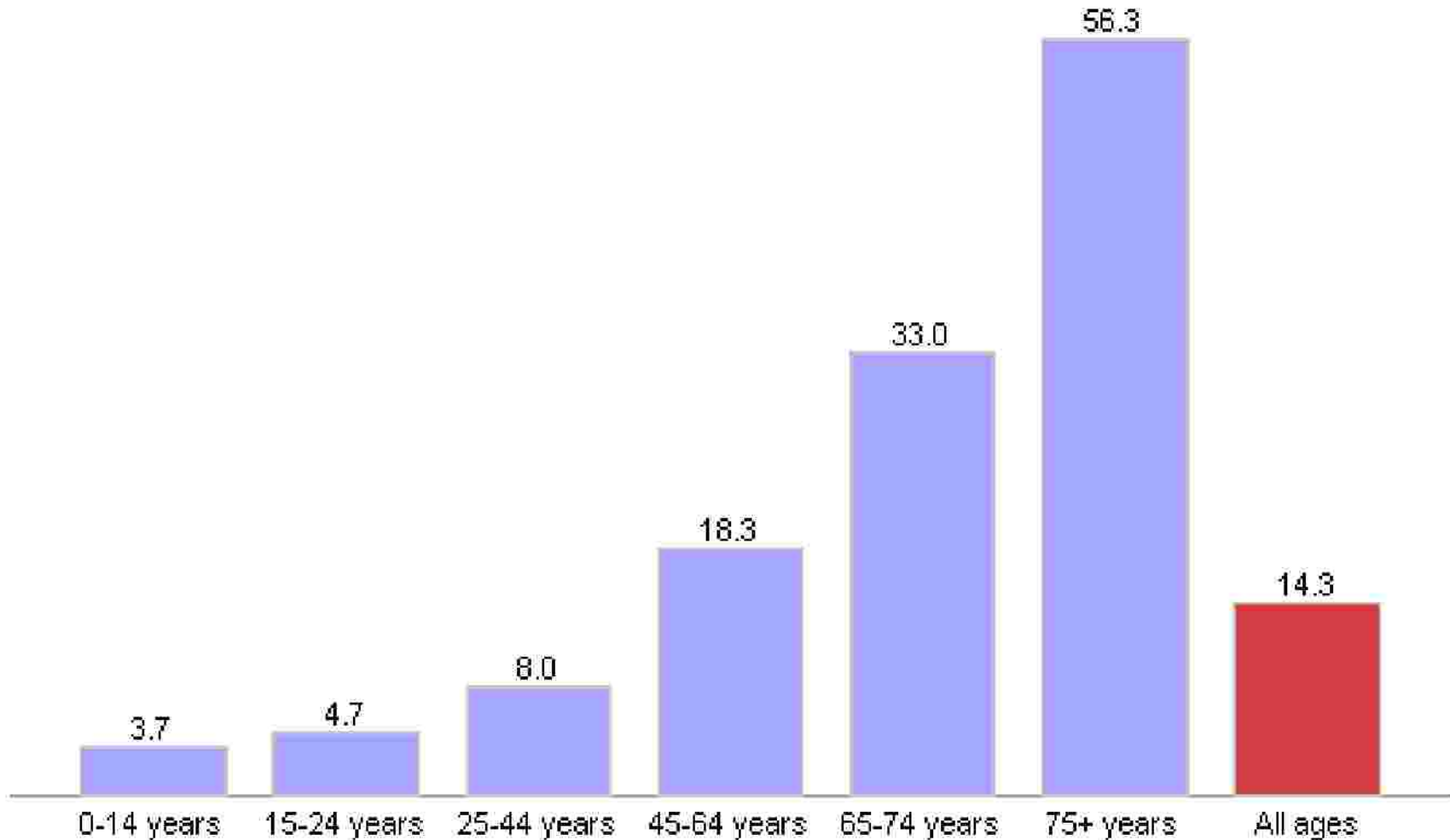
Cambridge



Agenda

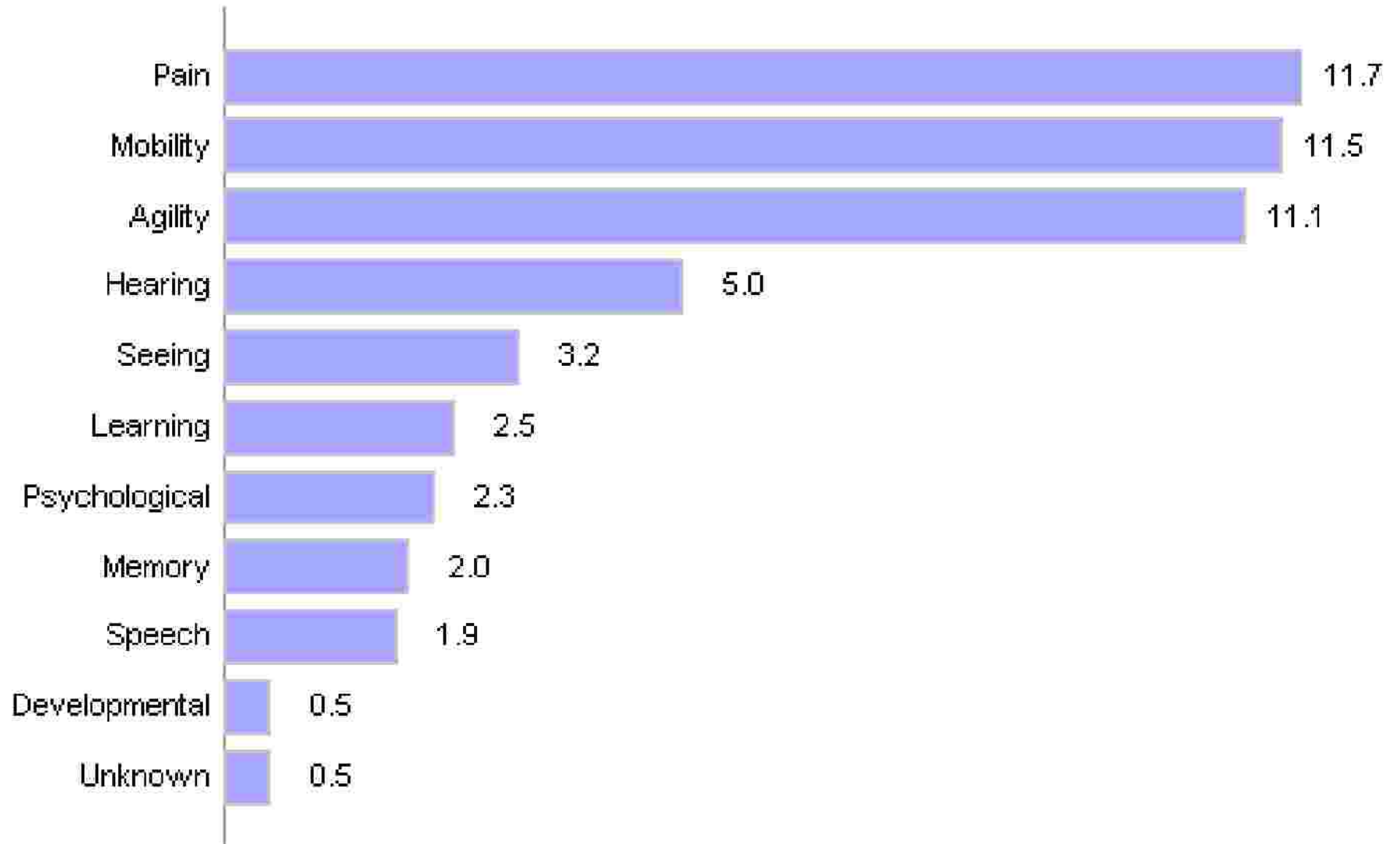
- ⌘ Disabilities in Canada overview
- ⌘ What is low vision?
- ⌘ Types of eye conditions
- ⌘ Collections
- ⌘ Tools
- ⌘ Services
- ⌘ Legislation
- ⌘ Resources

Population with a disability by age, 2006
(percent)



In Ontario, one in seven have a disability.

Adults population with a disability, by type, Canada, 2006 (percent)





Overview

- ⌘ 600,000 Canadians live with a serious vision problem
- ⌘ Over one in nine Canadians over 65 will experience significant vision loss
- ⌘ After age 80, it is one in four

Statistics Canada, 2006

What is low vision?

- Ⓟ Low vision cannot be corrected with regular glasses, contact lenses, medication, or surgery.
- Ⓟ Mild low vision will range from 20/70 to 20/199 (best corrected); legally blind is 20/200 to 'no light'.
- Ⓟ Vision loss can be caused by eye problems that are present from birth, by conditions that appear later in life, or by infections or environmental factors.
- Ⓟ Comprehensive eye examinations are done by an ophthalmologist, a medically trained eye doctor.



Types of eye conditions

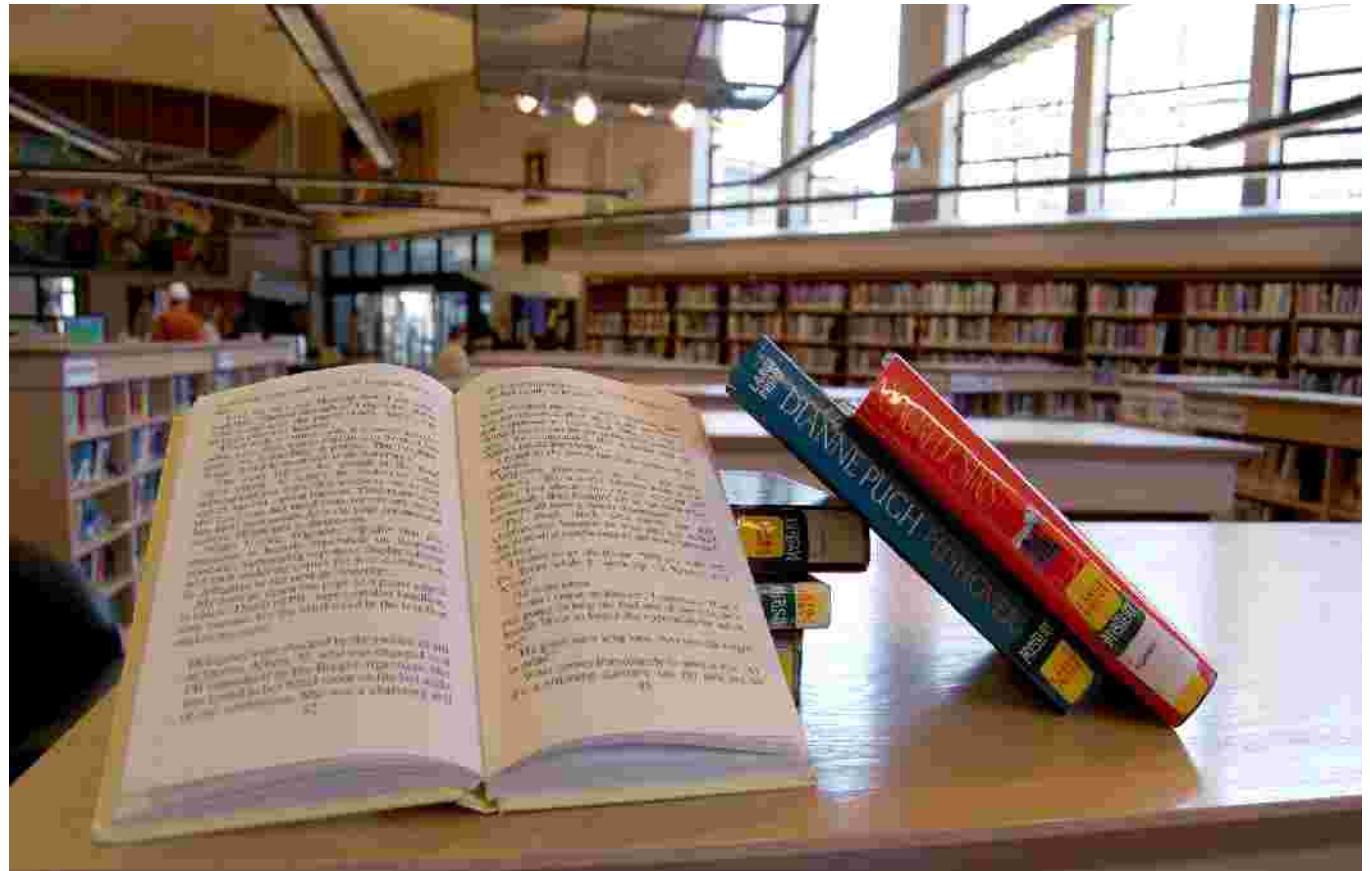
- ρ Aging eyes (Presbyopia)
- ρ Age-related macular degeneration (AMD)
- ρ Glaucoma
- ρ Diabetic retinopathy
- ρ Cataracts

Other Types of Eye Conditions

- ρ AIDS and the eye
- ρ Astigmatism
- ρ Dry eye
- ρ Hyperopia (far-sightedness) and myopia (near-sightedness)
- ρ Retinal detachment
- ρ Floaters and Flashing Lights
- ρ Lazy Eye (Amblyopia)
- ρ Pink Eye (Conjunctivitis)
- ρ Pregnancy and your vision
- ρ Retinal Pigmentosa
- ρ Seasonal affective disorder (SAD) and your eyes
- ρ Turned Eyes (Strabismus)

Collections

- Large print books (or large-font) - at least 16 points in size





Collections

- ⌘ Descriptive videos – on the soundtrack of the film there is an narrator who describes the action for people with low vision
e.g. “the man waved goodbye”.

Collections

Braille / Braille-print books



Collections

▫ Audiobooks (talking books)

Note audio formats:

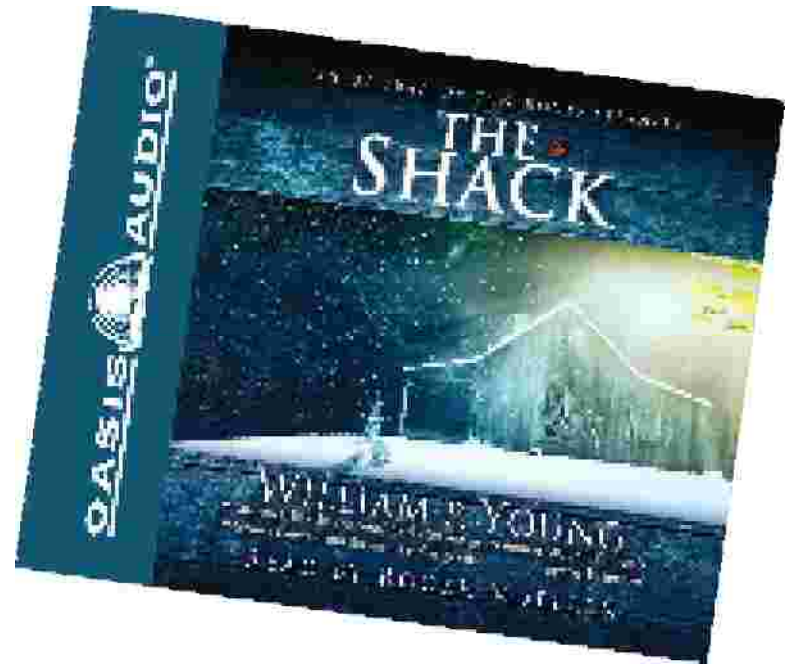
WMA (7 discs)

vs MP3 (1 disc)

(No more cassettes.)

The future is in
downloading!

Checkout your local public library (Overdrive) or
<http://christianaudio.com>



DAISY audiobooks



DAISY reader

DAISY audiobooks

Available from

1. CNIB, if a CNIB client
www.cnib.ca
2. Local public library, if a CNIB partner
3. Christian Blind Mission
<http://www.cbmicanada.org/index.asp>



Tools

Quantum Desk-top Book/Copyholder



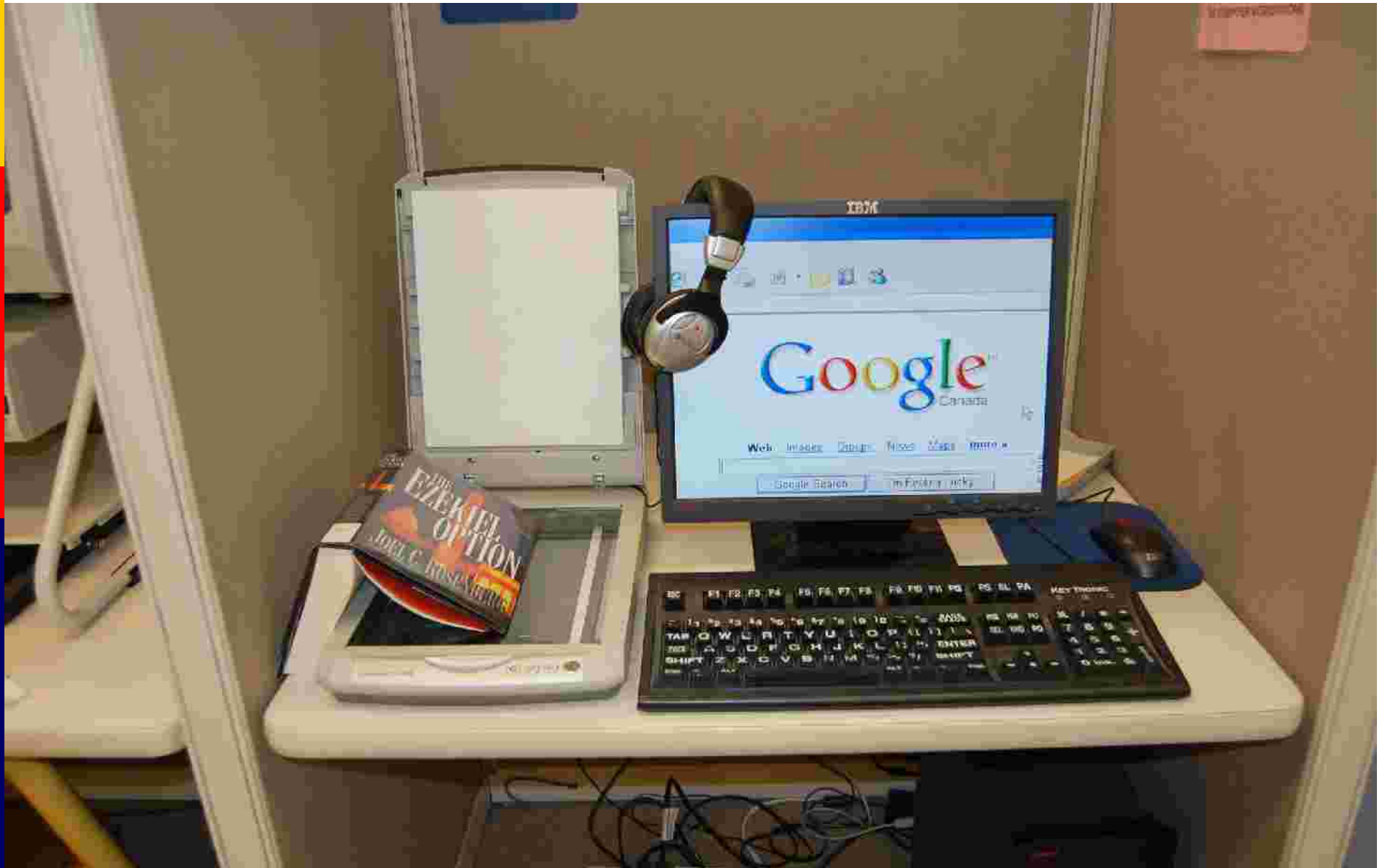
Talking calculators



Magnifiers



Assistive Technology



Trackball Mouse

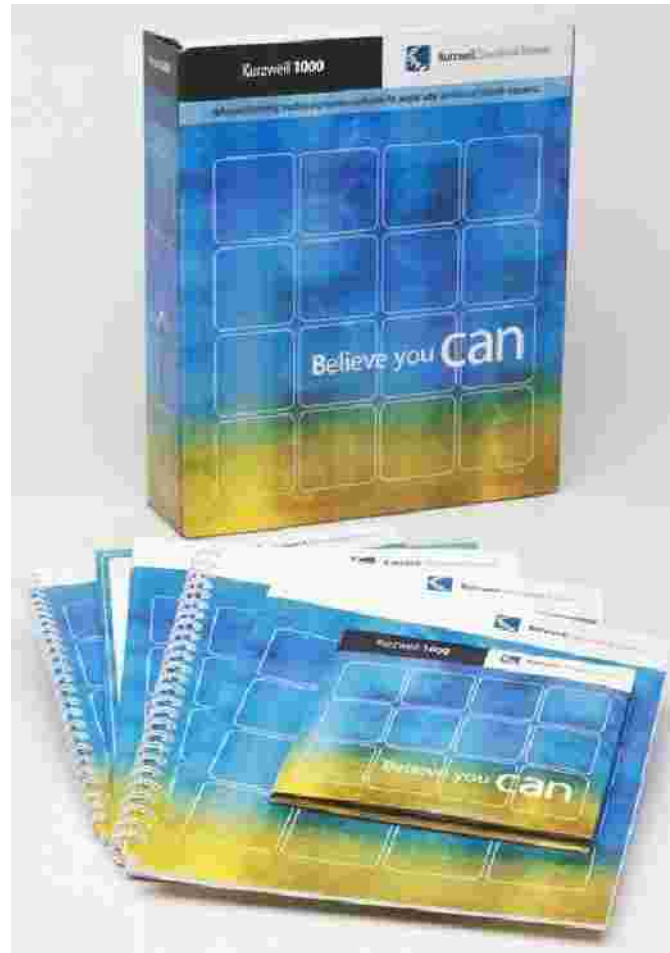


Touch Screen



Big Key Keyboard

Kurzweil 1000 – scan/read aloud software





Register or Login McLaughlin | Jess Hanrahan

- Accessibility
- Information & Research
- Online Research
- Find Articles
- Recreation & Entertainment
- About Your Library
- Library Services
- Teen Space
- Kids Zone

Check This Out
ANNUAL TREE
After Thanksgiving, the library will have a display of...
Press F1 for Help, Serial Number 35580
and homemade cookies from Aunt Audrey's Favourites
Cakes & Desserts. No registration required.

WHITE PINE DANCERS
Webmaster on 2009/11/9 21:44:34 (x1)
On Saturday November 21st, the White Pine Dancers will visit the library for a one time only exclusive special engagement! Celebrate the 2010

Catalogue Quick Search
in Keyword Search! Advanced Catalogue Search
Quick Account Info
Ask A Librarian
askON
Click here for LIVE CHAT
askON is standing by to help you.
Online Catalogue
Search the Catalogue

JAWS
Options Utilities Language Help
JAWS Version 8.0.2173U
JAWS for Windows
screen reading software
Freedom Scientific

Window-Eyes screen reading software (Windows version of JAWS)

Dear Santa,

Session Information (click and drag to move)

37	minutes remaining	Done
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Oshawa Public Libraries - far more than you expect

Session Information (click and drag to move) 45 minutes remaining Done

http://www.oshawalibrary.on.ca/

Oshawa Public Libraries - far more than you expect



OSHAWA Public Libraries
far more than you expect

Register or Login

- Accessibility
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- About Your Library
- Library Services
- Teen Space
- Kids Zone
- Home
- Check This Out!

ZoomText 9.1 Magnifier / Screen Reader Software

File Actions Magnifier Reader Settings Help

Magnifier Reader

Zoom Windows Enhancements Finders

1.75x Power Type Color Pointer Cursor Focus Desktop Web Text

Application: Windows Explorer

Readers Zones App Settings


Webmaster on 2009/11/9 21:19:48 (51)



After the tree lighting ceremony in Memorial Park on Thursday November 19th, come and warm up at the Library, with live entertainment from the Bruce Gorrie Trio and free refreshments! There will be coffee, juice and homemade cookies from Aunt Audrey's Favourites Cakes & Desserts. No registration required.

WHITE PINE DANCERS

Webmaster on 2009/11/9 21:44:34 (41)



On Saturday November 21st, the White Pine Dancers will visit the library for a one time only exclusive special engagement! Celebrate the 2010



askON

online research help

Click here for LIVE CHAT

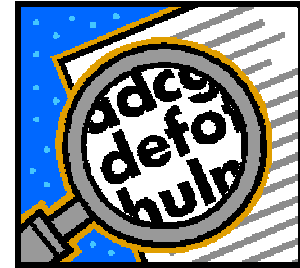
askON is standing by to help you.

Online Catalogue

Search the Catalogue

Gold Medal Reading

Website accessibility



- ⦿ Adaptive software only works on websites that have accessible content...most websites do not!
- ⦿ There are web content accessibility guidelines (WCAG) which cover a wide range of recommendations for making Web content more accessible, led by the World Wide Web Consortium (W3C): <http://www.w3.org/TR/WCAG/>
- ⦿ Use a free web-checker such as the ATRC Web Accessibility Checker at the Adaptive Technology Resource Centre at the University of Toronto: <http://www.achecker.ca/checker/index.php>

[Login](#) [Register](#)

Web Accessibility Checker

Input

Check Accessibility by URL

Check It

Check Accessibility by File Upload

Check It

Options

[Web Ac](#)
[Comple](#)
[training 1](#)
[9-10, 20](#)
[Free Acc](#)
[Test for!](#)
[WGAG, n](#)
[BART Gro](#)
[Accessib](#)
[Section 5](#)
[Compliar](#)
[Accessibi](#)



This tool checks single HTML pages for conformance with accessibility standards to ensure the content can be accessed by everyone. [link to the upper right for more about the Web Accessibility Checker.](#)

Accessibility Review

Accessibility Review (Guidelines: WCAG 2.0 (Level AA))

Known Problems (42) **Likely Problems (25)** **Potential Problems (77)** **HTML Validation**

Line 1, Column 1: [Document language not identified.](#)

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta http-
```

Repair: .

Line 1, Column 1: [Document has invalid language code.](#)

```
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=windows-1252">
<meta http-
```

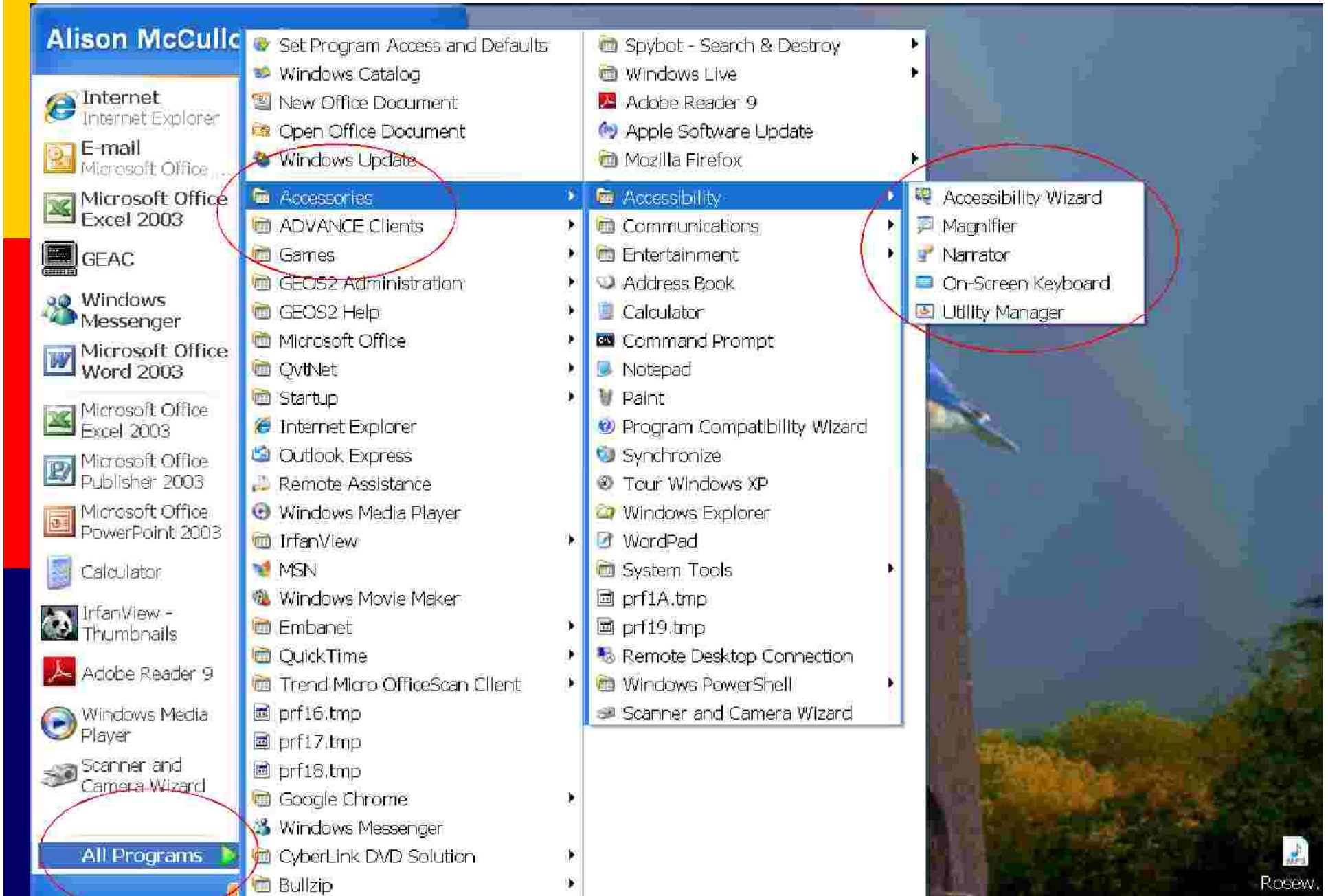
Repair: Add a valid 2 letter or 3 letter language code as defined in the ISO 639 specification to the HTML 'lang' attribute

Line 23, Column 1: [All text colors are not set.](#)

```
<body bgcolor="#FFFFFF">
<table width="88%" align="center" border="0">
  <tr>
    <td width="16%" > ...
```

Repair: Ensure all the text colors or none of the text colors are set using attributes on the `body` element.

Microsoft has built-in accessibility software



Closed Circuit Television





Services

Church library budgets don't allow for most of these collections or tools. But here are some ways that you could help your church members with low vision:

- ⌘ Liaison with public library services
- ⌘ Liaison with CNIB library www.cnib.ca (for CNIB clients or Partners Program clients)
- ⌘ Liaison with Christian Blind Mission
- ⌘ Open (or re-open) the world of reading to low vision church members by promoting technology

Accessibility for Ontarians with Disabilities Act (AODA)

- p Rolling out 5 new provincial standards:
 1. Customer Service Standard (O. Reg. 429/07 & 430/07), in force January 1, 2008
 2. Accessible Information & Communication Standard
 3. Employment Accessibility Standard
 4. Accessible Transportation Standard
 5. Build Environment Standard

- p The end goal is universal design standards that allow anyone to be able to help themselves - service to all/one design usable by everyone - by 2025.

Resources

- Ⓟ CNIB <http://cnib.ca>
- Ⓟ Adaptive Technology Resource Centre (U of T)
<http://atrc.utoronto.ca>
- Ⓟ Ministry for Community and Social Services:
Accessibility for Ontarians with Disabilities
<http://www.mcass.gov.on.ca/mcass/english/pillars/accessibilityOntario>
- Ⓟ Statistics Canada: Participation and Activity
Limitation Survey 2006
<http://www.statcan.ca/Daily/English/071203/d071203a.htm>
- Ⓟ UN Enable: Factsheet on Persons with Disabilities
<http://www.un.org/disabilities/default.asp?id=18>

Thank you!

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